

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/031,639C

Source: 1 Fw/6

Date Processed by STIC: 9/13/05

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 09/13/2005

PATENT APPLICATION: US/10/031,639C

TIME: 08:43:41

Input Set : A:\Seqlist.txt

Output Set: N:\CRF4\09132005\J031639C.raw

```

4 <110> APPLICANT: CELL GENESYS, INC.
6 <120> TITLE OF INVENTION: METHODS AND MEANS FOR PRODUCING HIGH
7   TITER, SAFE, RECOMBINANT LENTIVIRUS VECTORS
10 <130> FILE REFERENCE: 131.3USWO
12 <140> CURRENT APPLICATION NUMBER: 10/031,639C
C--> 13 <141> CURRENT FILING DATE: 2002-05-09
15 <160> NUMBER OF SEQ ID NOS: 52
17 <170> SOFTWARE: FastSEQ for Windows Version 4.0
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 10
21 <212> TYPE: RNA
22 <213> ORGANISM: HIV-1
24 <400> SEQUENCE: 1
25 gacuggugag                                     10
27 <210> SEQ ID NO: 2
28 <211> LENGTH: 77
29 <212> TYPE: DNA
30 <213> ORGANISM: Artificial Sequence
32 <220> FEATURE:
33 <223> OTHER INFORMATION: oligonucleotide linker
35 <400> SEQUENCE: 2
36 gggactggtg agtgaattcg agatctgccg ccgccatggg tgcgagagcg tcagtattaa   60
37 gcgggggaga attagat                                           77
39 <210> SEQ ID NO: 3
40 <211> LENGTH: 81
41 <212> TYPE: DNA
42 <213> ORGANISM: Artificial Sequence
44 <220> FEATURE:
45 <223> OTHER INFORMATION: oligonucleotide linker
47 <400> SEQUENCE: 3
48 cgatctaatt ctccccgcgt taatactgac gctctcgac ccgatggcggc ggcagatctc   60
49 gaattcactc accagtcccg c                                           81
51 <210> SEQ ID NO: 4
52 <211> LENGTH: 65
53 <212> TYPE: DNA
54 <213> ORGANISM: Artificial Sequence
56 <220> FEATURE:
57 <223> OTHER INFORMATION: oligonucleotide
59 <400> SEQUENCE: 4
60 ccacgatca cgagactagt cctacgtatc cccggggacg ggatccgcgg aattccgttt   60
61 aagac                                           65
63 <210> SEQ ID NO: 5
64 <211> LENGTH: 20

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65 <212> TYPE: DNA
66 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: oligonucleotide
71 <400> SEQUENCE: 5
72 ttataatgtc aaggcctctc 20
74 <210> SEQ ID NO: 6
75 <211> LENGTH: 26
76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: primer
82 <400> SEQUENCE: 6
83 gcggccgcag gagctttgtt ccttgg 26
85 <210> SEQ ID NO: 7
86 <211> LENGTH: 18
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: primer
93 <400> SEQUENCE: 7
94 tacgtaggac tagtctcg 18
96 <210> SEQ ID NO: 8
97 <211> LENGTH: 12
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: synthetic oligonucleotide
104 <400> SEQUENCE: 8
105 ttgcggccgc aa 12
107 <210> SEQ ID NO: 9
108 <211> LENGTH: 15
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: primer
115 <400> SEQUENCE: 9
116 ccactgctta agcct 15
118 <210> SEQ ID NO: 10
119 <211> LENGTH: 37
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: primer
126 <400> SEQUENCE: 10
127 caaaattttt ggcgtactca tcagtcgccg cccctcg 37
129 <210> SEQ ID NO: 11
130 <211> LENGTH: 74
131 <212> TYPE: DNA

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132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: oligonucleotide linker
137 <400> SEQUENCE: 11
138 aattgccgca ttgcagagat attgtattta agtgcctagc tcgatacaat aaacgggtct      60
139 ctctggtag acca                                                                74
141 <210> SEQ ID NO: 12
142 <211> LENGTH: 74
143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: oligonucleotide linker
149 <400> SEQUENCE: 12
150 gatctgggtct aaccagagag acccggtttat tgtatcgagc taggcactta aatacaatat      60
151 ctctgcaatg cggc                                                                74
153 <210> SEQ ID NO: 13
154 <211> LENGTH: 50
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: oligonucleotide linker
161 <400> SEQUENCE: 13
162 aattggaggc gtggcctggg cgggactggg gagtggcgag ccctcagatc      50
164 <210> SEQ ID NO: 14
165 <211> LENGTH: 43
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: oligonucleotide linker
172 <400> SEQUENCE: 14
173 ctgagggctc gccactcccc agtccccgcc aggccacgcc tcc      43
175 <210> SEQ ID NO: 15
176 <211> LENGTH: 14
177 <212> TYPE: DNA
178 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: plasmid
183 <400> SEQUENCE: 15
184 gatatgatca gatc      14
186 <210> SEQ ID NO: 16
187 <211> LENGTH: 7
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: plasmid
194 <400> SEQUENCE: 16
195 ctgatca      7
197 <210> SEQ ID NO: 17
198 <211> LENGTH: 23

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199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: oligonucleotide linker
205 <400> SEQUENCE: 17
206 gatatgatca gagccctcag atc 23
208 <210> SEQ ID NO: 18
209 <211> LENGTH: 16
210 <212> TYPE: DNA
211 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: oligonucleotide linker
216 <400> SEQUENCE: 18
217 ctgagggctc tgatca 16
219 <210> SEQ ID NO: 19
220 <211> LENGTH: 56
221 <212> TYPE: DNA
222 <213> ORGANISM: Artificial Sequence
224 <220> FEATURE:
225 <223> OTHER INFORMATION: oligonucleotide linker
227 <400> SEQUENCE: 19
228 gatatgatca ggaggcgtgg cctgggagggg actggggagt ggcgagccct cagatc 56
230 <210> SEQ ID NO: 20
231 <211> LENGTH: 49
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: oligonucleotide linker
238 <400> SEQUENCE: 20
239 ctgagggctc gccactcccc agtccccgcc aggccacgcc tcctgatca 49
241 <210> SEQ ID NO: 21
242 <211> LENGTH: 43
243 <212> TYPE: DNA
244 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
247 <223> OTHER INFORMATION: oligonucleotide linker
249 <400> SEQUENCE: 21
250 catgggtgcg agagcgtcag tattaagcgg gggagaatta gat 43
252 <210> SEQ ID NO: 22
253 <211> LENGTH: 41
254 <212> TYPE: DNA
255 <213> ORGANISM: Artificial Sequence
257 <220> FEATURE:
258 <223> OTHER INFORMATION: oligonucleotide linker
260 <400> SEQUENCE: 22
261 cgatctaatt ctccccgct taatactgac gctctcgac c 41
263 <210> SEQ ID NO: 23
264 <211> LENGTH: 12
265 <212> TYPE: DNA

```

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266 <213> ORGANISM: Artificial Sequence
268 <220> FEATURE:
269 <223> OTHER INFORMATION: oligonucleotide linker
271 <400> SEQUENCE: 23
272 agcttccgcg ga 12
274 <210> SEQ ID NO: 24
275 <211> LENGTH: 12
276 <212> TYPE: DNA
277 <213> ORGANISM: Artificial Sequence
279 <220> FEATURE:
280 <223> OTHER INFORMATION: oligonucleotide linker
282 <400> SEQUENCE: 24
283 gatctccgcg ga 12
285 <210> SEQ ID NO: 25
286 <211> LENGTH: 63
287 <212> TYPE: DNA
288 <213> ORGANISM: Artificial Sequence
290 <220> FEATURE:
291 <223> OTHER INFORMATION: oligonucleotide linker
293 <400> SEQUENCE: 25
294 aattcgagat ctgccgccgc catgggagcc cgggccagcg tcctgtctgg aggggagctg 60
295 gac 63
297 <210> SEQ ID NO: 26
298 <211> LENGTH: 61
299 <212> TYPE: DNA
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: oligonucleotide linker
305 <400> SEQUENCE: 26
306 cgggccagct cccctccaga caggacgctg gcccgggctc ccatggcggc ggcagatctc 60
307 g 61
309 <210> SEQ ID NO: 27
310 <211> LENGTH: 42
311 <212> TYPE: DNA
312 <213> ORGANISM: Artificial Sequence
314 <220> FEATURE:
315 <223> OTHER INFORMATION: oligonucleotide linker
317 <400> SEQUENCE: 27
318 aattcgagat ctgccgccgc catgggagcc cgggccagcg tc 42
320 <210> SEQ ID NO: 28
321 <211> LENGTH: 43
322 <212> TYPE: DNA
323 <213> ORGANISM: Artificial Sequence
325 <220> FEATURE:
326 <223> OTHER INFORMATION: oligonucleotide linker
328 <400> SEQUENCE: 28
329 ctagagacgc tggcccgggc tcccatggcg gcggcagatc tcg 43
331 <210> SEQ ID NO: 29
332 <211> LENGTH: 77

```

VERIFICATION SUMMARY

DATE: 09/13/2005

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Input Set : A:\Seqlist.txt

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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date